



## TITLE OF THE INVENTION

### METHOD FOR DISPLAYING RESULTS OF HYBRIDIZATION EXPERIMENT

5           This application claims priority to Japanese Application  
Serial No. 2000-70915, filed March 14, 2000.

## BACKGROUND OF THE INVENTION

### 1. FIELD OF THE INVENTION

          The present invention relates to a method for displaying  
10   results of hybridization experiments in which a biochip is used  
to hybridize a sample biopolymer with a probe biopolymer with a  
known sequence.

### 2. DETAILED DESCRIPTION OF THE PRIOR ART

          Biochips, also known as DNA micro arrays, have been  
15   developed to simultaneously quantify various biopolymer  
species, such as DNA sequences, that are present in a sample in  
different volumes. The technology is overviewed in Vivian G.  
Cheung et al., "Making and reading microarrays," *Nature*  
*Genetics Supplement*, vol.21, January 1999.

20   In a typical biochip technique, different probe biopolymers,  
for example, DNA molecules, are immobilized on a surface of a  
support such as glass slides and, through hybridization,  
selectively bind to different labeled biopolymers, for example,  
DNA sequences, in a sample. Specific sample biopolymers can be  
25   quantified based on the amounts of markers that have been  
selectively coupled to the probe biopolymers via sample  
biopolymers hybridized to the probe biopolymers. This  
principle makes it possible to quantify many different sample